

ENGINEERING CHANGE NOTICE
DART AEROSPACE LTD

Date: 19.02.05	Job No.: RB18-SIKORSKY	ADR Yes/No: No	ADR Date: —	ECN #: 19- 559
Product No.: DART TOOLING SIKORSKY		Created By: VM	Approved By: —	
Product Name: SLING ASSEMBLY		Checked By: —		

Reason for Change:
LOAD TEST ADDED, TORQUE ADDED, DART PLACARD + HEAT SHRINK ADDED *done!*

Documents Released:
RB 92700-10334-042 REV B Plac- RB41011

IF APPLICABLE: NCR: _____ PAR: _____ CAR: _____ CIR: _____ URF: 19-547

PAPERWORK UPDATE ☐ PARTS MUST COMPLY ☒ PREVIOUS PARTS SATISFACTORY ☐

#	Quality Assurance / Customer Support Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Airbus	N			
3	Notify Leonardo	N			
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
5	Required Documents/Drawings/Item ID's Under Review (URF)	N			
6	Update Master Document List (MDL)	N			
7	Update Document Record (DR)	N			
8	Update Product Compatibility Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
10		N			

#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	Y	MD		md 19.02.05
12	Update Product Specification Files (Bluefiles)	N			
13	Update Approved/Preliminary Dwg PDF Files	Y	MD		md 19.02.05
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	Y	MD		md 19.02.05
17	Update / Verify Authorized Release Certificate Database	N			
18	Create / Update Change Record Form / Item Card Database	Y	MD		
19	Create / Update Packaging Process Plan (PPP)	N			
20	Red Decals required on Packaging Process Plan (PPP)?	N			
21	Update Controlled Supplier Documents (Qpulse) Database	N			
22	Update Grey Project Binder / Electronic Project Folder	N			
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	N			
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	N			
25					

Description / Action:

2 sth 1- S151801 - cond. release - RA 571
1- S151142 - corner (mezz)

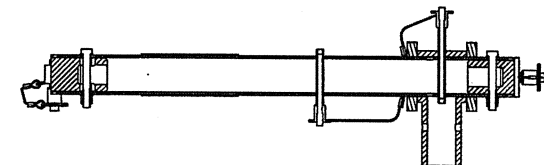
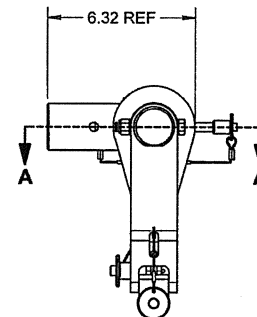
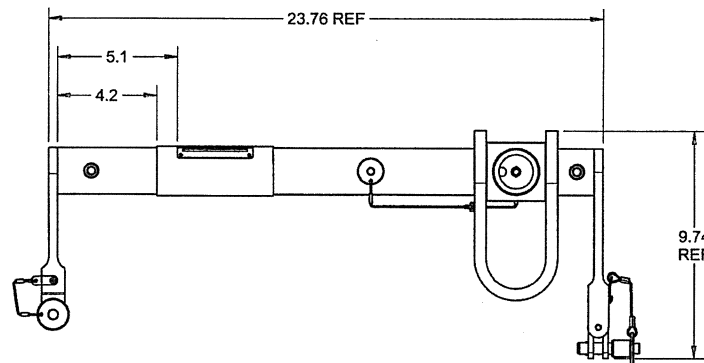
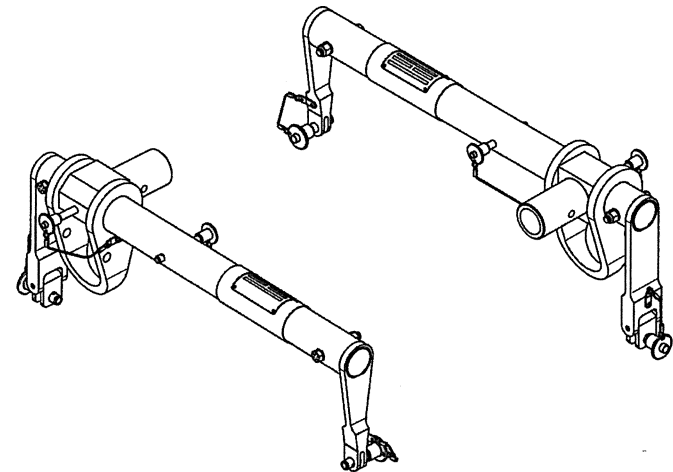
STOCK MUST COMPLY / REWORK IF NECESSARY
PLACE REV A IN SUPERCEED FOLDER
RELEASE REV B DRAWING
CLOSE URF 19-547

Done.

ECN Verified & Complete: _____ Date: _____

*S151142 = Job R190153
S151801 = Job 191382*

ITEM #	QTY.	PART #	PART TITLE
-1	1	RB 92700-10334-042-1	TUBE
-2	1	RB 92700-10334-042-2	LIFTING TUBE
-3	1	RB 92700-10334-042-3	LEFT HAND CLEVIS WELDMENT
-6	1	RB 92700-10334-042-6	LIFTING LUG
-7	1	RB 92700-10334-042-7	RIGHT HAND CLEVIS ASSEMBLY
-12	1	RB 92700-10334-042-12	PLACARD PROTECTION
13	1	RB41011	DART PLACARD
14	4	McMaster#90081A077 OR EQUIV.	STEEL SCREW NAIL #2 SIZE X 1/4" LG.
15	2	McMaster#91257A662 OR EQUIV.	STEEL HEX HEAD SCREW 3/8"-24 X 2-3/4" LG.
16	3	McMaster#91735A146 OR EQUIV.	SS PAN HEAD PHILLIPS SCREW #6-32 X 3/8" LG.
17	1	McMaster#94748A429 OR EQUIV.	SS KNOB-GRIP PUSH-BUTTON QUICK-RELEASE PIN 3/8" DIA X 2-1/2" LG.
18	1	McMaster#94748A439 OR EQUIV.	SS KNOB-GRIP PUSH-BUTTON QUICK-RELEASE PIN 3/8" DIA X 3-1/2" LG.
19	2	McMaster#94748A613 OR EQUIV.	SS KNOB-GRIP PUSH-BUTTON QUICK-RELEASE PIN 1/2" DIA X 1" LG.
20	2	McMaster#97135A235 OR EQUIV.	STEEL NYLON-INSERT LOCKNUT 3/8"-24 X 29/64" HEIGHT
21	4	NAS1149F0663P	STEEL WASHER 0.390" ID. X 0.625" OD. X 0.063" THK.



SECTION A-A
(ROTATED 90° CCW)

RB 92700-10334-042 SLING ASSEMBLY

NOTES:

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"

- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) IDENTIFICATION: ENGRAVE THE TOOL P/N, S/N, AND SAFE WORKING LOAD (600 LBS) ON THE DART PLACARD WHERE INDICATED
- 7) ASSEMBLE AS SHOWN
- 8) FORM ITEM 13 TO OUTER DIAMETER OF ITEM -1 BEFORE INSTALLATION
- 9) TORQUE ITEM 20 TO 8-9 FT-LBS (95-110 IN-LBS)
- 10) APPLY RED THREADLOCKER LOCTITE 263/262 ON THREADS OF ITEM 16 THEN ASSEMBLE WITH ITEMS -3, -6, AND -7 AND REMOVE EXCESS
- 11) INSTALL ITEM -12 OVER ITEMS -1, 13, AND 14, THEN HEAT IN POSITION, AS SHOWN

B	UPDATED DRAWING TEMPLATE. RENUMBERED HARDWARE ITEMS ADDED ITEMS -12, 13, AND 14. ADDED LOAD TEST SHEET		19-559	KPT
	UPDATED TORQUE VALUE FOR ITEM 20, WAS 160-190 IN-LBS IS 8-9 FT-LBS (95-110 IN-LBS)			
	-1 REMOVED T/N ENGRAVING			
A	NEW ISSUE		18-640	KPT
REV.	DESCRIPTION		ECN #	BY
DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA TOOL PART # RB 92700-10334-042 TITLE SLING ASSEMBLY SCALE NTS		
DRAWN	KPT			
CHECKED	KPT			
MFG. APPR.	DP			
APPROVED	W	REV. B SHEET 1 OF 15 COPYRIGHT © 2019 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.		
DATE 2/5/2019				

Load Test